



Docket No.: 22129-00007-US1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Mark C. Carroll et al.

Application No.: 10/628,579

Confirmation No.:

Filed: July 29, 2003

Art Unit: 1742

For: 5000 SERIES ALLOYS WITH IMPROVED
CORROSION PROPERTIES AND
METHODS FOR THEIR MANUFACTURE
AND USE

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each reference on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this

Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 22-0185, under Order No. 22129-00007-US1. A duplicate copy of this paper is enclosed.

Dated: 12/22/03

Respectfully submitted,

By Susan E. Shaw McBee

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Registration No.: 39,294

CONNOLLY BOVE LODGE & HUTZ LLP

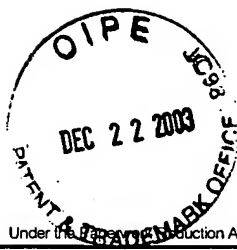
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PTO/SB/08a/b (06-03)

Approved for use through 07/31/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/628,579-Conf. #4098
				Filing Date	July 29, 2003
				First Named Inventor	Mark C. Carroll
				Art Unit	1742
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	22129-00007-US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Sprowls, D.O. and Brown, R.H., in Stress Corrosion Mechanisms for Aluminum Alloy, Fundamental Aspects of Stress Corrosion Cracking, NACE, p.466-504 (1969).	
	CB	Speidel, M.O. and Hyatt, M.V., in ed. M.G. Fontana and R.W. Staehle, Plenum Press: New York, (1972).	
	CC	Aluminum Standards and Data, The Aluminum Association, Inc.: Washington, DC (1993).	
	CD	Massalski, T.B., Binary Phase Diagrams, American Society for Metals: Metals Park, OH (1986).	
	CE	Moore, M.R., in Marine Inspection Advisory, ed. Seattle, WA, (2002).	
	CF	Samson, S., Acta Cryst. 19, 401-413 (1965).	
	CG	Auld, J.H. and Williams, B.E., Acta Cryst. 21, 830-831 (1966).	
	CH	Wheeler, M.J., Blankenburgs, G. and Staddon, R.W, Nature 207, 746-747 (1965).	
	CI	Vetrano, J.S., Danielson, M.J., Baer, D.R. and Jones, R.H., in Microchemistry and Microstructural Aspects Leading to Stress Corrosion Cracking in AA5083, Automotive Alloys 2000, TMS, (1999).	
	CJ	Searles, J.L., in AA5083. Dept. of Materials Science and Engineering, ed. The Ohio State University: Columbus, OH, p.109 (2000).	
	CK	Carroll, M.C., Gouma, P.L., Mills, M.J., Daehn, G.S. and Dunbar, B.R., Scripta Mat. 42, 335-340 (1999).	
	CL	Carroll, M.C., Gouma, P.L., Daehn, G.S. and Mills, M.J., in Copper additions to 5083, ICSMA 12, (2000).	
	CM	Ratchev, P., Verlinden, B. and P VanHoutte, Scripta Metall. 30, 599-604 (1994).	
	CN	Carroll, M.C., in Improvements to Str. Corr. Res. of AA5083. Materials Science and Engineering, ed. The Ohio State University: Columbus, p.250 (2001).	
	CO	Br. Corr. J. (6), (1971).	
	CP	Dif, R., Ehrstrom, J.C. and Raynaud, G.M., in The effect of zinc additions on the corrosion properties of aluminum alloy, ICAA-6, p.1489-1494 (1998).	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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FEE TRANSMITTAL for FY 2004 <small>Effective 10/01/2003, Patent fees are subject to annual revision.</small>		Compleat if Known	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	10/628,579-Conf. #4098
TOTAL AMOUNT OF PAYMENT (\$)		Filing Date	July 29, 2003
1,914.00		First Named Inventor	Mark C. Carroll
		Examiner Name	Not Yet Assigned
		Art Unit	1742
		Attorney Docket No.	22129-00007-US1

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)	
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		3. ADDITIONAL FEES	
<input checked="" type="checkbox"/> Depos it Account:			
Deposit Account Number	22-0185		
Deposit Account Name	Connolly Bove Lodge & Hutz LLP		
The Director is authorized to: (check all that apply)			
<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input checked="" type="checkbox"/> Cred it any overpayments		
<input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s)			
<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.			

FEE CALCULATION	
1. BASIC FILING FEE	
Large Entity	Small Entity
Fee Code (\$)	Fee Code (\$)
1001 770	2001 385
1002 340	2002 170
1003 530	2003 265
1004 770	2004 385
1005 160	2005 80
SUBTOTAL (1) (\$) 770.00	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	
Total Claims	39
Independent Claims	11
Multiple Dependent	
SUBTOTAL (2) (\$) 1,014.00	
**or number previously paid, if greater; For Reissues, see above	

SUBMITTED BY		(Complete if applicable)	
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Signature	<i>Susan E. Shaw McBee</i>	Telephone	(202) 331-7111
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